# DWA\_01.3 Knowledge Check\_DWA1

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1. Why is it important to manage complexity in Software?

It helps you make modular ,maintainable and scalable code.

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2. What are the factors that create complexity in Software?

Code style, documentation, error handling, abstraction, object-oriented programming, functional programming, and state machines

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3. What are ways in which complexity can be managed in JavaScript?

Learn the principles of encapsulation and how to create classes that prevent data and methods from being accessed externally.

Practice writing clean code through hands-on coding exercises and examples.

Understand the principles of polymorphism and inheritance and how to use them to extend classes and reuse code.

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4. Are there implications of not managing complexity on a small scale?

The code becomes hard to read even for you even as the person who wrote it.

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5. List a couple of codified style guide rules, and explain them in detail.

The content covers various areas of JavaScript development, including code style, documentation, error handling, abstraction, object-oriented programming, functional programming, and state machines, teaching students the skills and knowledge they need to structure their code in a way that makes it easy to manage and maintain

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6. To date, what bug has taken you the longest to fix - why did it take so long?

Getting some information to work in my console log.

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